

Fused Fiber Wavelength Division Multiplexer

Model #: SWDM

Description: Fused Fiber Wavelength Division Multiplexer

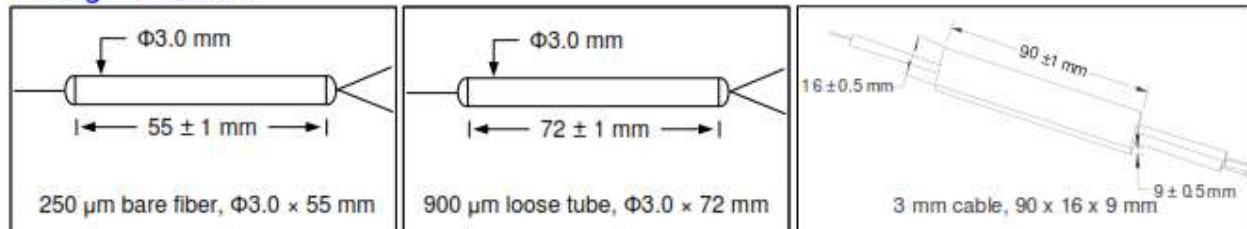
Application: Fiber amplifier, fiber laser, fiber sensor, WDM module and systems, test and measurement equipment.

Specifications:

Parameter		Unit	Specifications		
Longer Wavelength	Operating Wavelength Range	nm	1064 ± 5	785 ± 5 or 799 ± 0.5	1060 ± 5
	Max. Insertion Loss	dB	0.2	0.7	0.35
	Max. Polarization Dependent Loss	dB	0.1	0.1	0.1
	Min. Isolation	dB	20	N/A	13
Shorter Wavelength	Operating Wavelength Range	nm	635 ± 5	638 ± 5	980 ± 5
	Max. Insertion Loss	dB	1.0	0.7	0.35
	Min. Isolation	dB	10	N/A	13
Thermal Stability		dB/°C	0.002		
Min. Return Loss		dB	55	50	60
Min. Directivity		dB	55	50	60
Configuration			1 x 2 or 2 x 2	1 x 2	1 x 2 or 2 x 2
Max. Optical Power (CW)		W	0.3, 1.0 or 5.0	0.5	0.3
Operating Temperature		°C	-5 to +70		
Storage Temperature		°C	-40 to + 85		
Dimension	Bare fiber	mm	3.0 (D) x 60 (L)		3.0 (D) x 55 (L)
	900 μm loose tube		3.0 (D) x 70 (L)		3.0 (D) x 72 (L)
	3 mm cable		N/A		90 x 16 x 9
Fiber Type			HI 1060	Nufern 630-HP fiber	Hi 1060 Flex (N.A. 0.2) or OFS 980

Note: each connector may contribute extra 0.5 dB IL, Test at central wavelength only.

Package Dimensions



Ordering Information: SWDM-A-BBBB-C-D-E-F-G

A: Configuration	BBBB: wavelength	C: connector type	D: fiber jacket	E: fiber length	F: fiber type	G: power handling
1 – 1 x 2	6306 – 635 & 1064	1 - FC/UPC	B - 250μm Panda fiber	H – 0.5 m	H – HI1060 fiber	N – 300 mW
2 – 2 x 2 (1064 / 638)	6378 – 638 & 785	2 - FC/APC	L - 900 μm loss tube	1 – 1.0 m	F – HI 1060 Flex fiber	S – 500 mW
	6379 – 638 & 799 nm	3 - SC/UPC	C – 3 mm cable		S - OFS 980	1 – 1 W
	9806 – 980 & 1060 nm	4 - SC/APC	X - other	X - other	N – Nufurn FUD-3854	5 – 5 W
	X - other	N - none			X - other	X - other
		X - other				